

Claims

[c1] An Electrical guide rail chain bus or vehicle system for use in public mass transporting passenger, container and cargo along the freeway most inner lane or a specific assign lane that will comprise:

A modify existing freeway center divider with guide rail and power line attached to it. Each bus has two set of wheel system one in the front and in the back that can rotate freely about its center rotated axial relatively to the bus supported frame system. Each wheel set having two tires on each side and two control arms attached to wheel set at one end and another end will have two pulley wheels run along the guide rail, and control arm and wheel set will rotate together wheel set as a whole in horizontal plan but in vertical plan control arm can rotate freely relative to wheel set. Wheel set axial and control arm will always perpendicular to the guide rail in all conditions.

[c2] The control arm as in claim 1 further comprising:
Each control arm have three rotated joints (one horizontal and two vertical in two perpendicular directions) and one moving joint (up & down), these joints will allows

each arm rotated and move freely in any direction.

- [c3] The control arm as in claim 2 wherein said control arm having a pressure sensor to monitor the reaction between guide rail and control arm.
- [c4] The wheel set as in claim1 wherein said bus has a computer control electrical power redistribute device to redistribute the power between two wheels.
- [c5] The EGRCB as in claim 1 wherein said vehicle is a passenger car.
- [c6] The EGRCB as in claim 1 wherein said vehicle is carrier car.
- [c7] EGRCB for use in transporting humans, cargo from one location to another comprising:
A guide rail section and a rail switch section connected to form a railroad connecting a plurality of terminals.
Each rail switch having two movable rail portions located a two separate rails, with one portion along the straight line can move up and down while another portion along the curve can rotated open and close like door's mechanism. With combinations of open or close together with up or down to create a switch control system.